



**Fw: Gasco Groundwater SCM Final Design - draft comments for review**

**Sean Sheldrake** to: bayuk.dana

Cc: PetersonLE, Mark Ader, humphrey.chip, Kristine Koch, Rene Fuentes, MCCLINCY Matt

Bcc: Lori Cora

06/29/2011 08:04 AM

Dana, Please see the attached EPA comments. Overall, the final design document advances the design of the Hydraulic Control and Capture (HC&C) system from what was presented in the November 2009 IDR. Nevertheless, new design elements, such as an interceptor trench in the Fill WBZ and additional information collected from pumping/VFD tests conducted since the IDR was issued have not been fully evaluated using the model and analytical techniques to:

- 1) Quantify influences the new design elements (paving and interceptor trench) have on the overall HC&C system and
- 2) Quantify extraction rates required for complete capture with the proposed number of wells and,
- 3) Reduce uncertainty that required extraction rates are achievable and meet complete hydraulic control and containment objectives year round.

Let us know if you have any questions.

Thank you.

S

Sean Sheldrake, RPM, Unit Diving Officer  
USEPA, Region 10

Environmental Cleanup Office

1200 Sixth Avenue, Suite 900, ECL-110

Seattle WA 98101-3140

sheldrake.sean@epa.gov

Phone: 206/553-1220

Region 10 Dive Team: [www.epa.gov/region10/dive](http://www.epa.gov/region10/dive)

Portland Harbor Cleanup: [www.epa.gov/region10/portlandharbor](http://www.epa.gov/region10/portlandharbor)

Green Cleanups: <http://yosemite.epa.gov/R10/extaff.nsf/programs/greencleanups>

Green Cleanups (EPA only): <http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/greener+cleanups>

Health and Safety (EPA only): <http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/H&SecI>

Deliveries: Parking Garage mailroom (1st floor)

Visitors: Check-in @ PERC / Service Center on 12th floor: <http://yosemite.epa.gov/r10/extaff.nsf/Homepage/Visiting+Seattle>



Gasco Draft Final Design Report Comments (30-June-2011).docx

"MCCLINCY Matt"

All, DEQ has received a revised draft groundwater source control measures de...

05/11/2011 05:17:11 PM